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[What is claimed is]

1. A lubrication and cooling structure of a wet-type lubrication and cooling apparatus, wherein a friction disk is fitted by spline with a hub; a mating plate is fitted by spline with a drum; said friction disk and said mating plate are arranged alternately; the engagement of said friction disk and said mating plate results in the transmission of torque; and an oil bore is provided in said hub to circulate cooling/lubricating oil,

characterized in that the inner surface of said hub is in a stepped taper shape wherein its diameter increases towards the opening end, and said oil bore is provided in each step.

2. A lubrication and cooling structure of a wet-type friction engaging apparatus as claimed in claim 1, wherein a periphery of an inlet of said bore is in a concave shape.